

CLAIMS

What is claimed is:

1. A method of bonding a plug to an interior surface of a cartridge body formed of a continuous loop sidewall, the cartridge body combining with the plug and an end disk spaced from the plug to form a dispenser cartridge used to hold and dispense food sauce, a containment region for the dispenser cartridge defined between the plug and the end disk and bounded by the cartridge body, the method comprising the steps of:
 - positioning the plug having a body with a terminal perimeter edge within the cartridge body at an orientation such that the terminal perimeter edge is immediately adjacent to the interior surface of the cartridge body; and
 - applying a layer of hot melt adhesive to the terminal perimeter edge of the plug in such a way as to seal the plug with the cartridge body interior surface and prevent food sauce disposed within the containment region from exiting the region by flowing around the terminal perimeter edge of the plug along the cartridge body interior surface.
2. The method of claim 1, wherein the cartridge body is generally cylindrical in shape and the step of positioning the plug comprises positioning the plug within the cartridge body at an orientation such that the terminal perimeter edge of the plug is generally concentric with the cartridge body interior surface.
3. The method of claim 1, wherein the diameter of the plug defined at the terminal perimeter edge is approximately the same as the interior diameter of the cartridge body for a substantial circumferential distance around the cartridge body interior surface.

4. The method of claim 1, wherein interior surface of the cartridge body has a longitudinal sideseam extending the length of the body to present a first interior diameter of the cartridge body measured from a first position immediately lateral of the sideseam and a second interior diameter of the cartridge body measured from a second position immediately lateral of the sideseam on a opposite side of the sideseam from the first interior diameter, the first interior diameter being larger than the second interior diameter, and wherein the step of positioning the plug comprises positioning the plug within the cartridge body with a gap formed between the terminal perimeter edge of the plug and the interior surface of the cartridge body at the first position, and wherein the step of applying a layer of hot melt adhesive further comprises applying the adhesive to the terminal perimeter edge of the plug such that the adhesive covers the gap.
5. The method of claim 1, wherein the hot melt adhesive is a thermoplastic food grade adhesive.
6. The method of claim 1, wherein the plug further comprises a peripheral skirt extending generally perpendicularly from the body and terminating at the terminal perimeter edge, the terminal perimeter edge presenting a smooth interface surface to which the hot melt adhesive is applied.

7. In a method of constructing a dispenser cartridge used to hold and dispense food sauce, the dispenser cartridge formed of a generally cylindrical cartridge body having a central longitudinal axis, an end disk affixed to a dispenser end of the cartridge body, and plug positioned within the cartridge body and spaced from the end disk, where the cylindrical cartridge body is formed by looping opposing ends of a planar sheet together in overlapping relation and affixing the ends to each other to form the cartridge body with an interior surface where a longitudinal sideseam extends thereon for the length of the cartridge body, the improvement comprising the steps of:

aligning the plug such that a circumferential edge thereof is transversely aligned with respect to the cartridge body central longitudinal axis; and applying a layer of adhesive to the circumferential edge of the plug in such as way as to seal the plug with the cartridge body interior surface such that any food sauce disposed within the cartridge body and between the end disk and the plug is prevented from flowing past the circumferential edge of the plug along the cartridge body interior surface.

8. The method of claim 7, wherein the adhesive is a thermoplastic food grade hot melt adhesive.
9. The method of claim 7, wherein the plug further comprises a body and a peripheral skirt extending from the body on which the circumferential edge is formed, and wherein the step of applying a layer of adhesive further comprises applying the adhesive into a gap formed between the peripheral skirt and the interior surface of the cartridge body proximal to the sideseam.

10. A method of coupling a plug to a generally cylindrical cartridge body for a dispenser cartridge used to hold and dispense food sauce, the cartridge body formed of a continuous loop sidewall presenting an interior surface, the method comprising the steps of:
 - positioning the plug having a circumferential edge within the cartridge body such that the circumferential edge is aligned generally in a plane transverse to the interior surface of the cartridge body; and
 - applying a layer of hot melt adhesive to the circumferential edge of the plug in such a way as to seal the plug with the cartridge body and serve as a barrier to flow of food sauce disposed within the cartridge past the circumferential edge of the plug along the cartridge body interior surface.
11. The method of claim 10, wherein a sideseam extends longitudinally along the cartridge body interior surface formed by overlapping portions of the continuous loop sidewall to present a first interior diameter of the cartridge body measured from a first position immediately adjacent to the overlapping portions, and a second interior diameter of the cartridge body measured from a second position collocated with the overlapping portions, the first interior diameter being larger than the second interior diameter, and wherein the step of positioning the plug comprises positioning the plug within the cartridge body with a gap formed between the circumferential edge of the plug and the interior surface of the cartridge body at the first position, and wherein the step of applying a layer of hot melt adhesive further comprises applying the adhesive to the terminal perimeter edge of the plug such that the adhesive covers the gap.

12. A method of bonding a plug to an interior surface of a cartridge body formed of a continuous loop sidewall, the cartridge body combining with the plug and an end disk spaced from the plug to form a dispenser cartridge used to hold and dispense food sauce, a containment region for the dispenser cartridge defined between the plug and the end disk and bounded by the cartridge body, the method comprising the steps of:

applying a layer of hot melt adhesive to the circumferential edge of a plug; and positioning the plug within the cartridge body at an orientation such that the circumferential edge is aligned generally in a plane transverse to the interior surface of the cartridge body, whereby the adhesive seals the plug with the cartridge body interior surface and prevents food sauce disposed within the containment region from exiting the region by flowing around the circumferential edge of the plug along the cartridge body interior surface.